



**Town of Summerville
Tree Protection Board Meeting
June 8, 2020 – 9:00 am
Town Hall, Town Council Chambers**

The public and Town Council members are strongly encouraged to attend virtually
The meeting will be live-streamed through the live-streaming link on the Town's website: <https://sc-summerville.civicplus.com/159/Live-Streaming-Meetings>

*For additional information regarding items on this agenda including any public hearings, please contact the Planning Department at planning@summervillesc.gov or 843.851.4217. Applications and related documents for this meeting are available for review at any time at www.summervillesc.gov/AgendaCenter
Public that chooses to attend this meeting in person will be required to have their temperature scanned and abide by social distancing requirements.*

Approval of Minutes

1. May 11, 2020 minutes

Old Business

1. 1925 Bacon's Bridge Road, Lot 43 – Removal of one 28" Pine tree

New Business

1. 1925 Bacon's Bridge Road, Lot 123 - Removal of one 31" Pine tree
2. 803 S. Main Street – Removal of one Oak and four Holly trees
3. 192 Factor's Walk – Removal of one Pine and two hardwood trees

Miscellaneous

Adjournment

Posted June 2, 2020

Tree Protection Board Minutes

Monday, May 11, 2020

Zoom Cloud Meeting

Members Present:

David Morris
Ginger Reilly
Peter Wallace
Kenny Sott
Faye Campbell

Staff Present:

Jessi Shuler, Director of Planning
Bill Salisbury, Arborist

The meeting was called to order at 9:15 am. Roll call was taken. Mr. Wallace asked for consideration of the April 20, 2020 meeting minutes. Mr. Morris seconded the motion for approval of the minutes as presented. The motioned carried 7-0.

Old Business

- 1. 201 Simmons Avenue** – Mr. Salisbury provided an overview; an arborist hired by the owner had evaluated the 36” pine tree and provided a letter of assessment to Ms. Smith which was included in the meeting packet which the TPB members had read. It referred to a lightning strike which had healed over, and that there was not enough room on the site to move the location of the house to meet the 1’ per 1” caliper required to ensure future health of the tree. Mr. Wallace stated there was nothing the arborist saw that the board members had not seen. Ms. Smith questioned why the lightning strike had not been mentioned at the previous TPB meeting. She additionally questioned how the trees are graded, including the standard used and by what process. Mr. Sott addressed those concerns by saying each member visited the site separately and saw the lightning strike but that it appeared to be healed over, and they did not believe it was an issue. Ms. Smith asked about the use of an ISA risk assessment form she had seen on the ISA website. Mr. Salisbury answered that the ISA risk assessment standards are used to grade the trees but the actual form is not used. Ms. Smith stated she needed more information and there has to be equity in grading of trees since there are different assessments from different certified arborists. Mr. Wallace asked whether they were there to discuss the remaining trees on this site or just the 36” pine tree. Ms. Smith reiterated her questions regarding tree grading processes. Mr. Wallace stated that there was no mention of the lightning strike in the previous minutes but agreed that it should have been in the record. Ms. Smith again voiced her concerns about the TPB, what standard is used for the process to be equitable and fair. Mr. Sott asked Mr. Salisbury to answer Ms. Smith’s concerns in writing which he agreed to do. Mr. Wallace made a motion to allow removal of the large 36” pine tree with 100% mitigation. Ms. Campbell seconded the motion. Ms. Smith asked for explanation of mitigation. Mr. Salisbury stated the tree loss would need to be mitigated inch for inch with at least 2.5” caliper canopy trees. Mr. Wallace added larger caliper trees could be used but the smaller trees have a better survival rate and help alleviate space problems. Mr. Salisbury explained about paying into the Tree Fund rather than actually adding the trees to her landscape plan if there are space constraints. Ms. Campbell stated that the tree committee could not tell when the lightning strike occurred but could see it had healed. Each lightning strike occurrence is different. Ms. Smith stated she understands that but her concern was that it was not even mentioned in the previous meeting. Mr. Sott stated that Ms. Smith’s concerns have been duly noted. A roll call vote was taken and the motion passed unanimously.
- 2. 110 Pinewood Drive** – Given the large number of trees to be considered, the TPB agreed to review and vote on them in smaller groupings by location on the site referencing the numbers provided on the tree survey. Mr. Salisbury stated the owner would like to remove trees 33, 34, 35 and 36; in doing

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so, the pine trees would do better. The owner, Mr. Garrett, stated that the pines are healthy but they do have some significant lean. The eleven inch pine is not growing very well, and the two largest pines have pretty good leans. Mr. Sott asked about the DOT setback and what type of driveway was being installed. Mr. Garrett stated it would be slag with concrete curbing. Mr. Wallace stated he visited the site and disagrees with the severity of the lean/health; the issue is with the location of the driveway and could it be moved. Mr. Garrett stated with the utilities in the front yard it is difficult to back in equipment. Mr. Sott asked if it is possible to back into the ten foot area if the trees were not removed. Mr. Garrett said it would be squeezed between the house and trees. Mr. Wallace made a motion to remove the four trees for the driveway, Ms. Campbell seconded the motion. A roll call vote was taken and the motion passed unanimously.

Trees 5, 6, 7, 8, 9: Mr. Salisbury stated trees 7 and 8 are in the way of access, 5, 6 and 9 are on the side. Mr. Garrett explained 5, 7 and 8 are in the way because it will be a two-bay carport, 6 and 9 are even with the 10' setback and should not keep him from parking or storing things but would be easier if they were removed also. Mr. Wallace made a motion to allow removal of 7 and 8 but for 5, 6 and 9 to stay. Ms. Reilly seconded the motion. Mr. Garrett requested 9 be left but he be allowed to remove 5 and 6 with full mitigation. Mr. Wallace amended the motion to allow removal of 7 and 8, and to also allow removal of 5 and 6 with full mitigation, 9 is denied. Ms. Campbell seconded the motion. A roll call vote was taken and the motion passed unanimously.

Trees 10, 14, 15, 16: Mr. Sott questioned the health of 16. Mr. Salisbury stated is it fine but leaning away from property. Mr. Garrett stated it is 6-7' away from carport itself but he would rather take it out now before the building is in and it grows larger. Mr. Sott asked if it is a slab, Mr. Garrett said yes but he is not sure of the footer depth. Mr. Wallace stated a substantial footer would require root pruning. Ms. Campbell stated Trees 10, 13, 14, 15 are in the footprint and made a motion to remove those but leave 16. Ms. Reilly seconded the motion. A roll call vote was taken and the motion passed unanimously. Mr. Sott stated if issues develop regarding the root system of 16, it can be brought back to TPB.

Trees 11, 12, 19 (11 is a Hickory, not Pecan as shown on site plan): These trees are within 5-6' of the carport and shed, in the way of slag between two buildings, in the way of pulling something out of 1st bay door. Mr. Sott pointed out a void at the bottom of one of the trees. Mr. Wallace stated it would have been helpful to know vehicle pathway when visiting site. Ms. Campbell made a motion to approve removal of these three trees; Mr. Morris seconded the motion. A roll call vote was taken and the motion passed unanimously.

Trees 17, 18, 20, 21 (a Hickory, not Pecan), 22, 24, 23: Mr. Salisbury stated these trees would be very difficult to keep because they are so close to the building footprint. Mr. Sott made a motion to approve removal of the trees, Mr. Wallace seconded the motion. A roll call vote was taken. The motion passed unanimously.

Mr. Morris asked about a Magnolia and Live Oak not on the tree survey; Mr. Garrett said the Magnolia was not large enough to require permission to remove, the Live Oak was not being removed.

Trees 25, 26, 27, 28: Mr. Garrett stated 26 butts up to the well house so is concerned about damage to the well, 27 and 28 are close to uprooting of a large Live Oak. Mr. Garrett stated 25 is a Water Oak which has a bad reputation and he would rather remove and mitigate because of the problems it presents. Ms. Campbell stated that a number of trees have already been approved for removal and they would like to save as many other trees as possible. Mr. Garrett stated he is not asking to remove and not replant, he wants to remove the ones that are not aesthetically pleasing because they have issues. Mr. Wallace made a motion to allow removal of 25 with mitigation and to deny removal of 26, 27 and 28. Mr. Morris seconded the motion. Mr. Sott added Mr. Garrett can return to the TPB if 26 causes problems with the well house in the future. A roll call vote was taken. The motion passed four against one (Ms. Reilly).

Tree Protection Board Minutes

Monday, May 11, 2020

Zoom Cloud Meeting

Tree 37: Mr. Garrett reported the tree had been topped by the power company. Ms. Campbell made a motion to approve removal of 37; Mr. Wallace seconded the motion. A roll call vote was taken. The motion passed unanimously.

New Business

1. **100 Classic Street – Removal of 2 Pines and 5 Oak trees.** Mr. Salisbury reported 4 of the 5 oaks are diseased with a good bit of rot, and the owner has moved the house on the site to save a large oak on the other side. He wants to pipe the ditch; the two pines are not in the foot print of the house, but they are not aesthetically pleasing. Mr. Winkle stated he plans to put in a pool and will mitigate for the trees. Mr. Sott asked if he has applied for a permit for the pool. Mr. Winkle stated not yet, but it would damage the property if he were to have it removed at a later date. Mr. Sott stated of the Oaks along the road, one looks healthier than the others, but there is still probably rot in the middle. Mr. Wallace stated there is only one worth considering. Ms. Campbell commended the owner for his willingness to move the house to save the large tree. Mr. Wallace made a motion to allow removal of all water oaks and to allow the two Pine trees with mitigation. Ms. Campbell seconded the motion. A roll call vote was taken. The motion passed unanimously.
2. **330 Heber Street – Removal of 2 Pines and 1 Gum tree** - Mr. Salisbury reported there are two Pine trees very close to the house, and a Gum tree in the rear that was probably broken out at the top in the past. Mr. Wallace made a motion to approve removal of the Gum tree and the Pine tree furthest from the street that is damaging the AC unit. Ms. Campbell seconded the motion. She stated she was leaning towards approving removal of both pines because they are so close. Mr. Salisbury stated the owner's main reason for removal is limbs falling on the house. A roll call vote was taken. The motion passed unanimously.
3. **3 Princess Court – Removal of 4 Pines and 1 Cherry tree** – Mr. Salisbury reported the pines are cracking the driveways on either side of the trees, and the Cherry tree is in very poor health. The pines are closer to the neighbor's driveway; the trees are very healthy and have been root pruned previously. Mr. Wallace stated the cherry tree can be removed, but the pine trees labeled 3 and 4 need to stay. He made a motion to allow removal of the trees labeled 1, 2 and 5, but keep 3 and 4. Mr. Sott seconded the motion. A roll call vote was taken. The motion passed unanimously.
4. **520 King Charles Circle – Removal of 1 tree** - Mr. Carter stated the tree is dropping nuts and causing damage to the roof of his porch. He is also concerned about the nuts falling and injuring children. Mr. Salisbury stated the tree is healthy but he did see dents in the roof. He does not think pruning would help. Mr. Morris stated looking at Google Earth the lot looks pretty wooded. Mr. Wallace made a motion to deny removal of the tree but allow trimming of no more than 20%. Ms. Campbell seconded the motion. A roll call vote was taken. The motion passed unanimously. Ms. Campbell told the owner it can be revisited if necessary. Mr. Sott thought he remembered one large limb over the house that could be pruned which might help with the roof.

Miscellaneous: There were no items under Miscellaneous.

Adjourn:

There being no further business, the meeting was adjourned at 11:12 am on a motion by Ms. Campbell and a second by Mr. Wallace. The motion carried.

Tree Protection Board Minutes
Monday, May 11, 2020
Zoom Cloud Meeting

Respectfully submitted,

Date: _____

Bill Salisbury
Arborist/Natural Resource Planner

Approved: Kenny Sott, Chair
_____; or,
Faye Campbell, Vice Chair

DRAFT



STAFF REPORT
Tree Protection Committee Meeting
June 1, 2020

To: Town of Summerville Tree Protection Board
From: Bill Salisbury, Arborist/Natural Resource Planner
Date: May 28, 2020

**GENERAL
INFORMATION**

Property Applicant: Scott Wilson
Owner: Yes Communities
Requested Action: Removal of one 28" Pine tree
Location: 1925 Bacon's Bridge Road, Lot 43
Guideline Citation: UDO Section 13.9.1.G

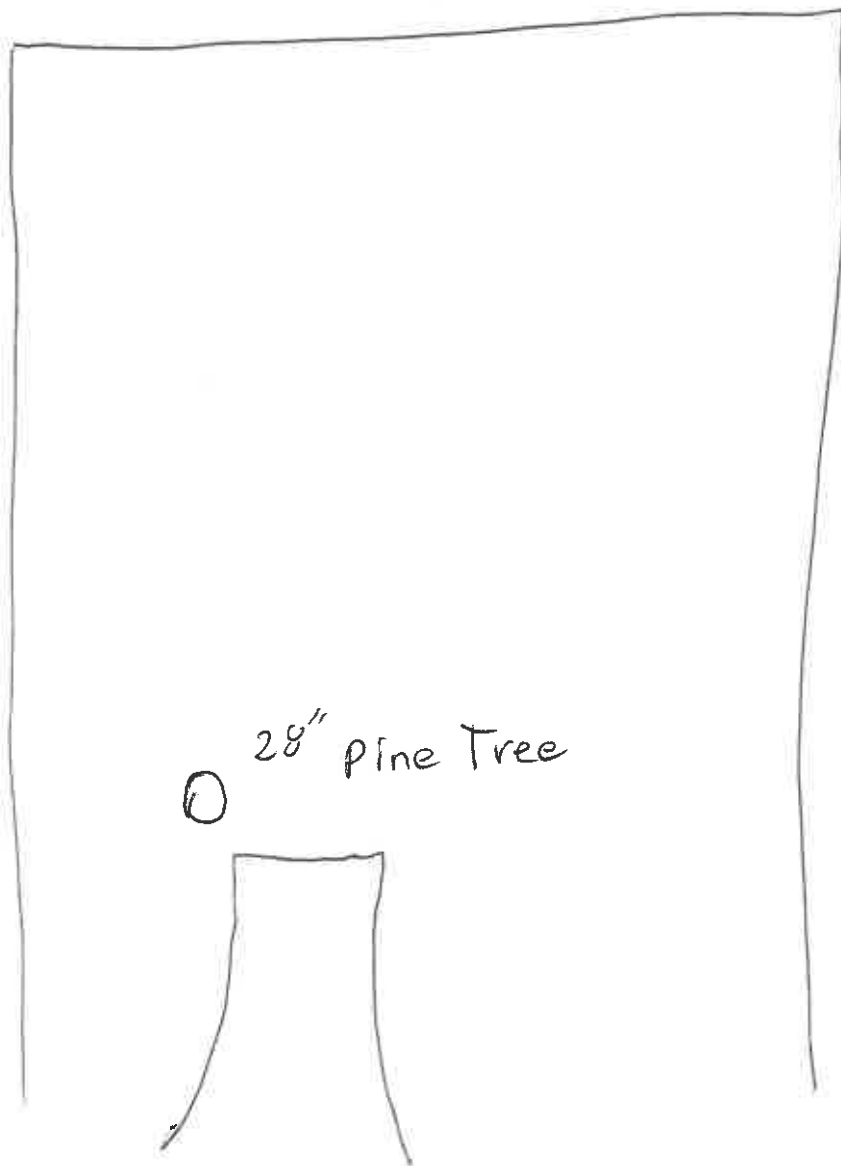
Decisions/Justifications: The TPB may approve, deny, or approve with conditions the application for the removal of a Grand Tree. No approval shall be granted unless the following one or more of the following conditions are determined to exist:

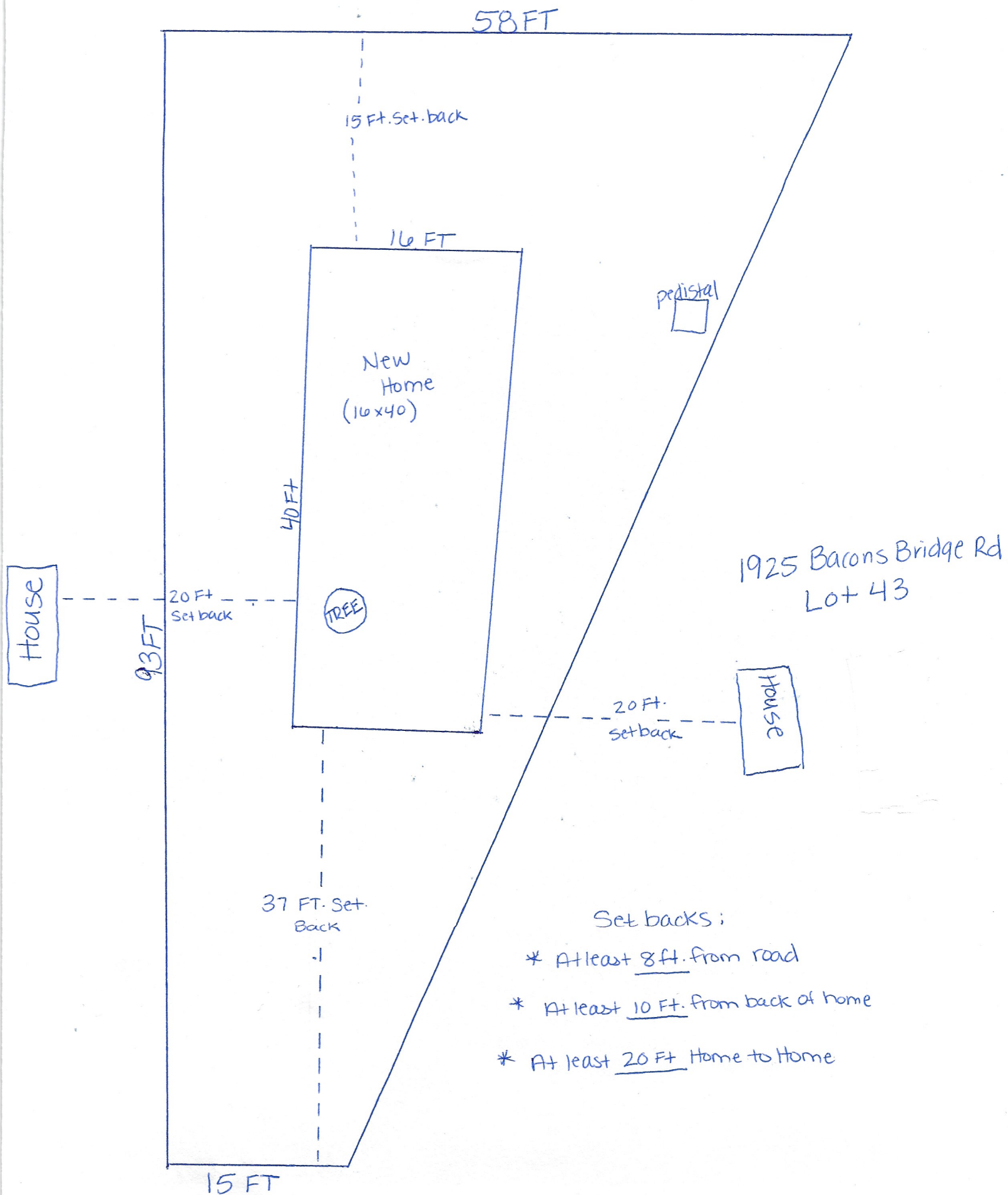
- 1. The Grand Tree is diseased, dead or dying; or*
- 2. The Grand Tree poses a safety hazard to nearby buildings, utility lines or pedestrian or vehicular traffic; or*
- 3. The Grand Tree prevents essential grade changes or all reasonable utility installations; or*
- 4. The Grand Tree prevents all reasonable site configurations; or*
- 5. The removal of the Grand Tree is the only reasonable means by which building, zoning, subdivision, health, public safety or other Town requirements can be met; or*
- 6. Grand Tree is located on the construction site and up to ten feet around the perimeter of the construction site of an approved building and related driveway parking area when every measure has been explored to preserve existing trees has failed, including the reconfiguration of the building and or driving/parking areas around the tree; or*
- 7. The lot is of such density with existing trees that the removal of certain protected trees is considered beneficial; or*
- 8. The removal of the Grand Tree has otherwise been approved by the Town Council.*

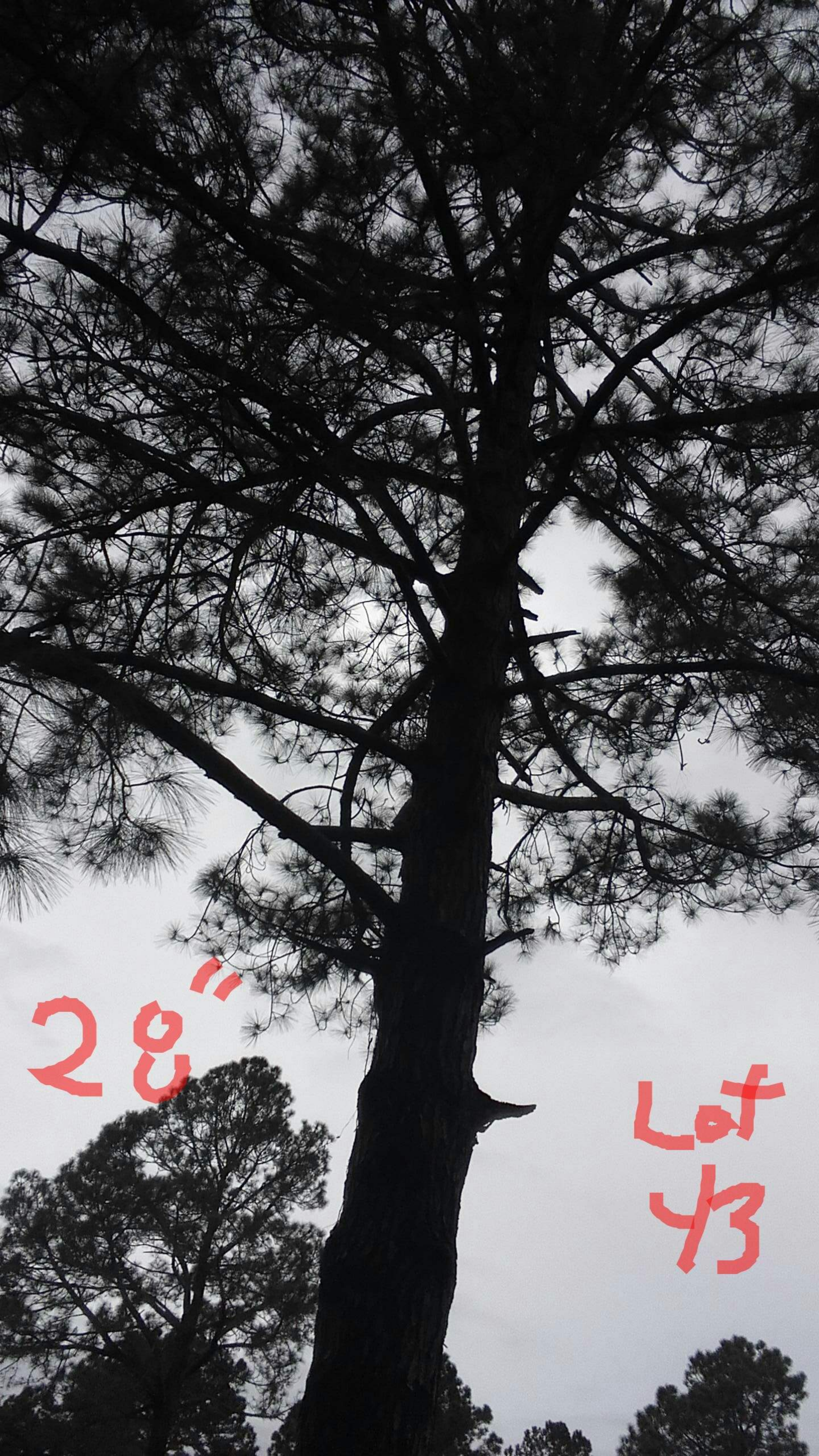
Evaluation: Pine tree looks to be in good health.

1925 Bacons Bridge Rd

lot 43







28"

Lot
43



lot 413

28'



107
4/3



29'

16' + 4/3





10T
4/3



29'

16' + 4/3



STAFF REPORT
Tree Protection Committee Meeting
June 1, 2020

To: Town of Summerville Tree Protection Board
From: Bill Salisbury, Arborist/Natural Resource Planner
Date: May 28, 2020

**GENERAL
INFORMATION**

Property Applicant: Scott Wilson

Owner: Yes Communities

Requested Action: Removal of one 31" Pine tree

Location: 1925 Bacon's Bridge Road, Lot 123

Guideline Citation: UDO Section 13.9.1.G

Decisions/Justifications: The TPB may approve, deny, or approve with conditions the application for the removal of a Grand Tree. No approval shall be granted unless the following one or more of the following conditions are determined to exist:

- 1. The Grand Tree is diseased, dead or dying; or*
- 2. The Grand Tree poses a safety hazard to nearby buildings, utility lines or pedestrian or vehicular traffic; or*
- 3. The Grand Tree prevents essential grade changes or all reasonable utility installations; or*
- 4. The Grand Tree prevents all reasonable site configurations; or*
- 5. The removal of the Grand Tree is the only reasonable means by which building, zoning, subdivision, health, public safety or other Town requirements can be met; or*
- 6. Grand Tree is located on the construction site and up to ten feet around the perimeter of the construction site of an approved building and related driveway parking area when every measure has been explored to preserve existing trees has failed, including the reconfiguration of the building and or driving/parking areas around the tree; or*
- 7. The lot is of such density with existing trees that the removal of certain protected trees is considered beneficial; or*
- 8. The removal of the Grand Tree has otherwise been approved by the Town Council.*

Evaluation: The pine tree is in good condition.



Basic Tree Risk Assessment Form

Page 1

Client yes Companies SC LLC Date 5-28-20 Time 1:30
 Address/Tree location 1123 Berestford Ln Tree no. 1 Sheet 1 of 2
 Tree species Pine dbh 31" Height 50' Crown spread dia. 30
 Assessor(s) Bill Salisbury Tools used _____ Time frame 1 year

Target Assessment

Target number	Target description	Target protection	Target zone			Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
			Target within drip line	Target within 1 x Ht.	Target within 1.5 x Ht.			
1	Houses	None	✓	✓		3		
2	people in house	house	✓	✓		3		
3	people in yard	none	✓	✓		3		
4								

Site Factors

History of failures _____ Topography Flat ☒ Slope ☐ % Aspect _____
 Site changes None ☒ Grade change ☐ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe _____
 Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☒ Pavement over roots ☒ 30 % Describe side walk + driveway
 Prevailing wind direction _____ Common weather Strong winds ☒ Ice ☐ Snow ☐ Heavy rain ☒ Describe Thunderstorms

Tree Health and Species Profile

Vigor Low ☐ Normal ☒ High ☐ Foliage None (seasonal) ☐ None (dead) ☐ Normal 95 % Chlorotic 5 % Necrotic _____ %
 Pests/Biotic _____ Abiotic _____
 Species failure profile Branches ☒ Trunk ☐ Roots ☐ Describe pine trees self pruned low branches

Load Factors

Wind exposure Protected ☐ Partial ☒ Full ☐ Wind funneling ☐ Relative crown size Small ☐ Medium ☒ Large ☐
 Crown density Sparse ☐ Normal ☒ Dense ☐ Interior branches Few ☐ Normal ☒ Dense ☐ Vines/Mistletoe/Moss ☐ None
 Recent or expected change in load factors None

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR _____ %
 Dead twigs/branches _____ % overall Max. dia. _____
 Broken/Hangers Number _____ Max. dia. _____
 Over-extended branches ☐
 Pruning history
 Crown cleaned ☐ Thinned ☐ Raised ☒
 Reduced ☐ Topped ☐ Lion-tailed ☐
 Flush cuts ☐ Other _____
looks healthy Condition(s) of concern _____

Part Size 4" Fall Distance 40'
 Load on defect N/A ☐ Minor ☒ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐
 Part Size _____ Fall Distance _____
 Load on defect N/A ☒ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

Dead/Missing bark ☐ Abnormal bark texture/color ☐
 Codominant stems ☐ Included bark ☐ Cracks ☐
 Sapwood damage/decay ☐ Cankers/Galls/Burls ☐ Sap ooze ☐
 Lightning damage ☐ Heartwood decay ☐ Conks/Mushrooms ☐
 Cavity/Nest hole _____ % circ. Depth _____ Poor taper ☐
 Lean _____ ° Corrected? _____
 Response growth good
 Condition(s) of concern none
 Part Size 35" Fall Distance 20'
 Load on defect N/A ☒ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐
 Dead ☐ Decay ☐ Conks/Mushrooms ☐
 Ooze ☐ Cavity ☐ _____ % circ.
 Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____
 Root plate lifting ☐ Soil weakness ☐
 Response growth good
 Condition(s) of concern none
 Part Size _____ Fall Distance _____
 Load on defect N/A ☒ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

Risk Categorization

Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood											Consequences				Risk rating (from Matrix 2)
			Failure				Impact				Failure & Impact (from Matrix 1)							
			Improbable	Possible	Probable	imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	
house	Top + Limbs	Top of Tree or limbs falling + hitting people +		✓				✓		✓					✓			Low
people in house			✓			✓				✓				✓				low
people out side				✓				✓		✓						✓		low
house	hole Tree	hole Tree falling	✓					✓		✓						✓		low
people in house			✓				✓		✓						✓		low	
people at side			✓					✓		✓							✓	low
cars parked	Top + Limbs	limbs falling on cars		✓				✓		✓						✓		low
cars in road				✓				✓		✓						✓		low
cars parked	hole Tree	hole Tree falling	✓					✓		✓							✓	low
cars in road			✓					✓		✓							✓	low

Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact			
	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2. Risk rating matrix.

Likelihood of Failure & Impact	Consequences of Failure			
	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

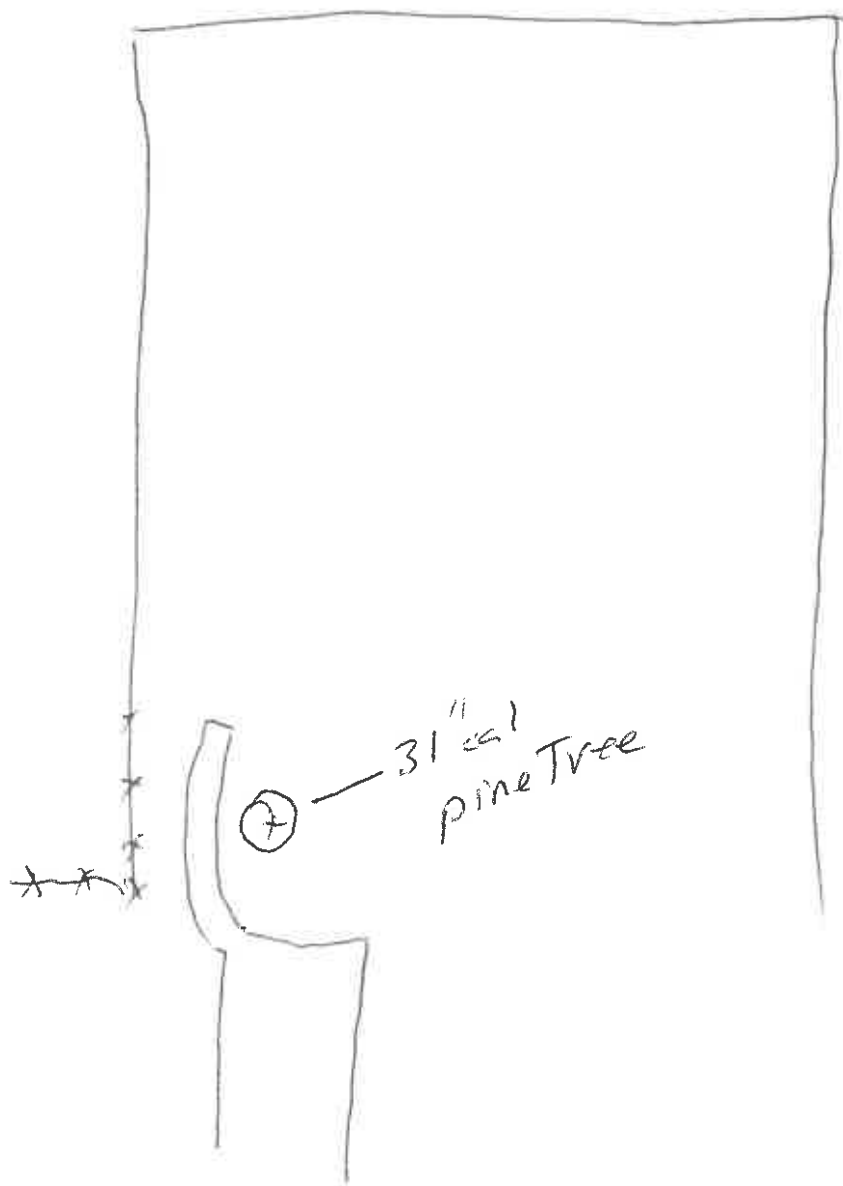
Notes, explanations, descriptions

Mitigation options

- _____ Residual risk _____
- _____ Residual risk _____
- _____ Residual risk _____
- _____ Residual risk _____

Overall tree risk rating Low ☒ Moderate ☐ High ☐ Extreme ☐Overall residual risk None ☐ Low ☒ Moderate ☐ High ☐ Extreme ☐ Recommended inspection interval 1 yearData ☒ Final ☐ Preliminary Advanced assessment needed ☐ No ☐ Yes-Type/Reason _____Inspection limitations ☒ None ☐ Visibility ☐ Access ☐ Vines ☐ Root collar buried Describe _____

1925 Bacons Bridge Rd
1123 Berestford Ln.













STAFF REPORT
Tree Protection Committee Meeting
June 1, 2020

To: Town of Summerville Tree Protection Board
From: Bill Salisbury, Arborist/Natural Resource Planner
Date: May 11, 2020

**GENERAL
INFORMATION**

Property Applicant: Reese Rice

Owner: Reese Rice

Requested Action: Removal of one 29" Laurel Oak, one Water Oak and four Holly trees

Location: 803 S. Main Street Summerville SC 29483

Guideline Citation: UDO Section 13.9.1.G

Decisions/Justifications: The TPB may approve, deny, or approve with conditions the application for the removal of a Grand Tree. No approval shall be granted unless the following one or more of the following conditions are determined to exist:

- 1. The Grand Tree is diseased, dead or dying; or*
- 2. The Grand Tree poses a safety hazard to nearby buildings, utility lines or pedestrian or vehicular traffic; or*
- 3. The Grand Tree prevents essential grade changes or all reasonable utility installations; or*
- 4. The Grand Tree prevents all reasonable site configurations; or*
- 5. The removal of the Grand Tree is the only reasonable means by which building, zoning, subdivision, health, public safety or other Town requirements can be met; or*
- 6. Grand Tree is located on the construction site and up to ten feet around the perimeter of the construction site of an approved building and related driveway parking area when every measure has been explored to preserve existing trees has failed, including the reconfiguration of the building and or driving/parking areas around the tree; or*
- 7. The lot is of such density with existing trees that the removal of certain protected trees is considered beneficial; or*
- 8. The removal of the Grand Tree has otherwise been approved by the Town Council.*

Evaluation: The owner plans to install a pool in the yard. All of the trees look healthy; however, they would like to remove these trees in order to save a grand oak tree which is closer to the house and put the pool back further where these trees are.



Basic Tree Risk Assessment Form

Client Keele Rite Date 5-27-20 Time 12:30
 Address/Tree location 903 S main St Tree no. 1 Sheet 1 of 1
 Tree species oak dbh 29" Height 50' Crown spread dia. 40'
 Assessor(s) Bill Salisbury Tools used _____ Time frame 1 year

Target Assessment

Target number	Target description	Target protection	Target zone			Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
			Target within drip line	Target within 1x Ht.	Target within 1.5x Ht.			
1	Next door Building			✓		2	No	No
2	children		✓	✓		2	Yes	Yes
3								
4								

Site Factors

History of failures _____ Topography Flat ☒ Slope ☐ % Aspect _____

Site changes None ☒ Grade change ☐ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe _____

Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☒ Pavement over roots ☐ % Describe _____

Prevailing wind direction _____ Common weather Strong winds ☒ Ice ☐ Snow ☐ Heavy rain ☒ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☒ High ☐ Foliage None (seasonal) ☐ None (dead) ☐ Normal _____% Chlorotic _____% Necrotic _____%

Pests/Biotic _____ Abiotic _____

Species failure profile Branches ☒ Trunk ☐ Roots ☐ Describe _____

Load Factors

Wind exposure Protected ☒ Partial ☐ Full ☐ Wind funneling ☐ Relative crown size Small ☐ Medium ☒ Large ☐

Crown density Sparse ☐ Normal ☒ Dense ☐ Interior branches Few ☐ Normal ☒ Dense ☐ Vines/Mistletoe/Moss ☐ None

Recent or expected change in load factors None

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR _____%
 Dead twigs/branches _____% overall Max. dia. _____
 Broken/Hangers Number _____ Max. dia. _____
 Over-extended branches ☐
 Pruning history
 Crown cleaned ☐ Thinned ☒ Raised ☒
 Reduced ☐ Topped ☐ Lion-tailed ☐
 Flush cuts ☐ Other _____
 Cracks ☐ Lightning damage ☐
 Codominant ☐ Included bark ☐
 Weak attachments ☒ 1 limb Cavity/Nest hole _____% circ.
 Previous branch failures ☐ Similar branches present ☐
 Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐
 Conks ☐ Heartwood decay ☐
 Response growth good

Condition(s) of concern _____

Part Size _____ Fall Distance _____
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

Dead/Missing bark ☐ Abnormal bark texture/color ☐
 Codominant stems ☐ Included bark ☐ Cracks ☐
 Sapwood damage/decay ☐ Cankers/Galls/Burls ☐ Sap ooze ☐
 Lightning damage ☐ Heartwood decay ☐ Conks/Mushrooms ☐
 Cavity/Nest hole _____% circ. Depth _____ Poor taper ☐
 Lean _____° Corrected? _____
 Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☒ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☒
 Dead ☐ Decay ☐ Conks/Mushrooms ☐
 Ooze ☐ Cavity ☐ _____% circ.
 Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____
 Root plate lifting ☐ Soil weakness ☐

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

Risk Categorization

Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood												Consequences				Risk rating (from Matrix 2)
			Failure				Impact				Failure & Impact (from Matrix 1)								
			Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	
Building	Top of Tree	Top of tree Hitting Building		✓				✓			✓					✓			Low
children playing in yard	Top of Tree or Branches	Top of tree Hitting children		✓					✓		✓							✓	Med.

Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact			
	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2. Risk rating matrix.

Likelihood of Failure & Impact	Consequences of Failure			
	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Notes, explanations, descriptions

Mitigation options

1. none Residual risk _____
2. keep children from playing near tree Residual risk _____
3. Residual risk _____
4. Residual risk _____

Overall tree risk rating Low ☐ Moderate ☒ High ☐ Extreme ☐Overall residual risk None ☐ Low ☒ Moderate ☐ High ☐ Extreme ☐ Recommended inspection interval _____Data ☒ Final ☐ Preliminary Advanced assessment needed ☐ No ☐ Yes-Type/Reason _____Inspection limitations ☒ None ☐ Visibility ☐ Access ☐ Vines ☐ Root collar buried Describe _____



Basic Tree Risk Assessment Form

B page 1

Client _____ Date _____ Time _____
 Address/Tree location 803 S main Tree no. _____ Sheet 1 of 1
 Tree species water oak dbh 25" Height 50 Crown spread dia. 40'
 Assessor(s) Bill Sellsburg Tools used _____ Time frame 1 year

Target Assessment

Target number	Target description	Target protection	Target zone			Occupancy rate 1 - rare 2 - occasional 3 - frequent 4 - constant	Practical to move target?	Restriction practical?
			Target within drip line	Target within 1 x Ht.	Target within 1.5 x Ht.			
1	<u>Building</u>							
2								
3								
4								

Site Factors

History of failures _____ Topography Flat ☐ Slope ☐ _____ % Aspect _____

Site changes None ☒ Grade change ☐ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe _____

Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____ % Describe _____

Prevailing wind direction _____ Common weather Strong winds ☒ Ice ☐ Snow ☐ Heavy rain ☒ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☒ High ☐ Foliage None (seasonal) ☐ None (dead) ☐ Normal _____ % Chlorotic _____ % Necrotic _____ %

Pests/Biotic _____ Abiotic _____

Species failure profile Branches ☐ Trunk ☐ Roots ☐ Describe _____

Load Factors

Wind exposure Protected ☒ Partial ☐ Full ☐ Wind funneling ☐ _____ Relative crown size Small ☐ Medium ☒ Large ☐

Crown density Sparse ☐ Normal ☒ Dense ☐ Interior branches Few ☐ Normal ☒ Dense ☐ Vines/Mistletoe/Moss ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR _____ %
 Dead twigs/branches ☐ _____ % overall Max. dia. _____
 Broken/Hangers Number _____ Max. dia. _____
 Over-extended branches ☐
 Pruning history
 Crown cleaned ☐ Thinned ☒ Raised ☒
 Reduced ☐ Topped ☐ Lion-tailed ☐
 Flush cuts ☐ Other _____
 Cracks ☐ Lightning damage ☐
 Codominant ☐ Included bark ☐
 Weak attachments ☐ Cavity/Nest hole _____ % circ.
 Previous branch failures ☐ Similar branches present ☐
 Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐
 Conks ☐ Heartwood decay ☐
 Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

Part Size _____ Fall Distance _____
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

Dead/Missing bark ☐ Abnormal bark texture/color ☐
 Codominant stems ☐ Included bark ☐ Cracks ☐
 Sapwood damage/decay ☐ Cankers/Galls/Burls ☐ Sap ooze ☐
 Lightning damage ☐ Heartwood decay ☐ Conks/Mushrooms ☐
 Cavity/Nest hole _____ % circ. Depth _____ Poor taper ☐
 Lean _____ ° Corrected? _____
 Response growth _____
 Condition(s) of concern _____
 Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐
 Dead ☐ Decay ☐ Conks/Mushrooms ☐
 Ooze ☐ Cavity ☐ _____ % circ.
 Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____
 Root plate lifting ☐ Soil weakness ☐
 Response growth _____
 Condition(s) of concern _____
 Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

Risk Categorization

[illegible]

Matrix I. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact			
	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2. Risk rating matrix.

Likelihood of Failure & Impact	Consequences of Failure			
	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Notes, explanations, descriptions

Mitigation options

- | | |
|----------------|---------------|
| 1. <i>None</i> | Residual risk |
| 2. | Residual risk |
| 3. | Residual risk |
| 4. | Residual risk |

Overall tree risk rating Low ☐ Moderate ☒ High ☐ Extreme ☐

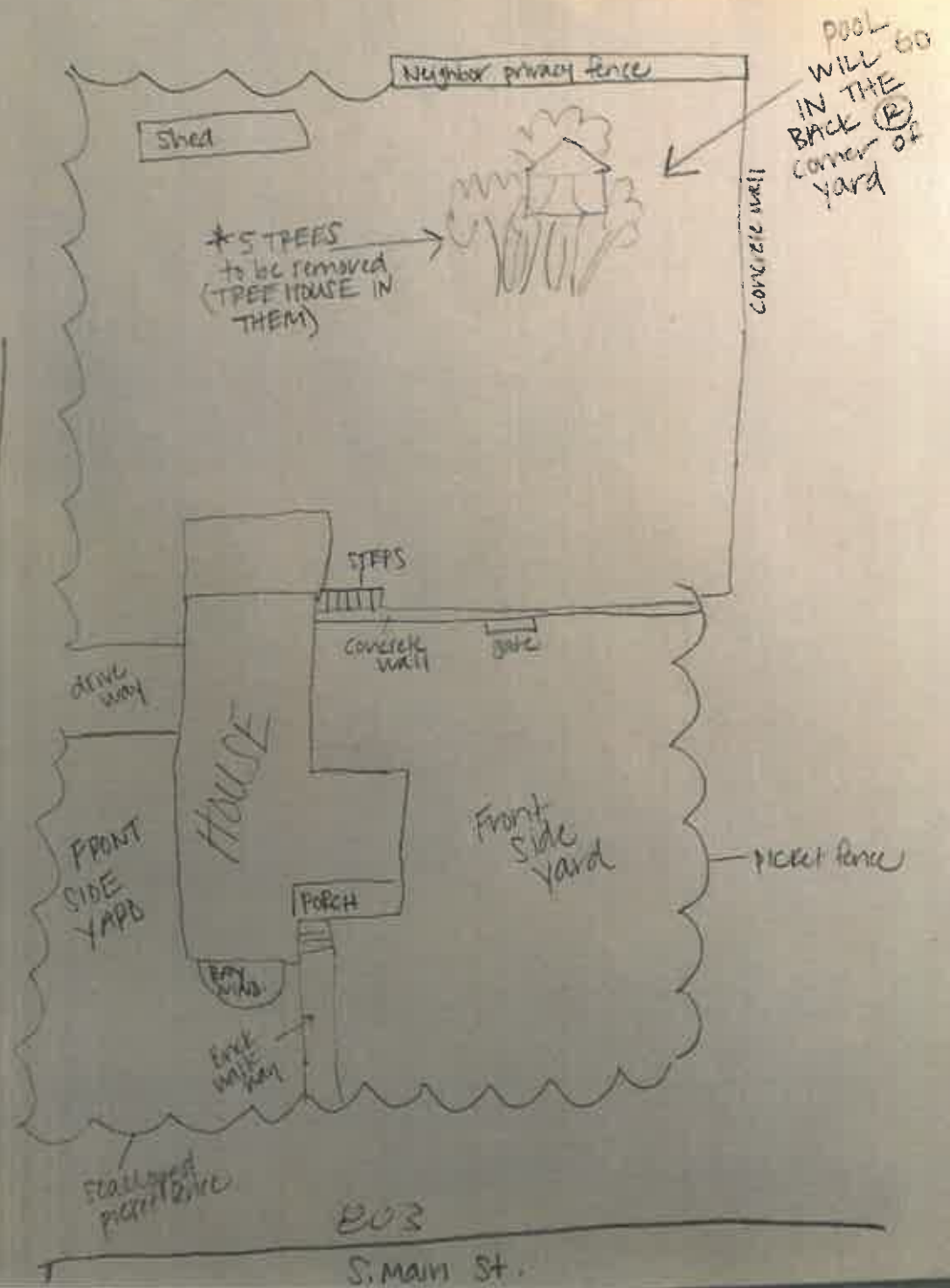
Overall residual risk None ☒ Low ☐ Moderate ☐ High ☐ Extreme ☐ **Recommended inspection interval** _____

Data ☐ Final ☐ Preliminary, **Advanced assessment needed** ☐ No ☐ Yes-Type/Reason _____

Inspection limitations ☒None ☐Visibility ☐Access ☐Vines ☐Root collar buried Describe _____



TOYELINE























STAFF REPORT
Tree Protection Committee Meeting
June 1, 2020

To: Town of Summerville Tree Protection Board
From: Bill Salisbury, Arborist/Natural Resource Planner
Date: May 22, 2020

**GENERAL
INFORMATION**

Property Applicant: Renee Bowers

Owner: Renee Bowers

Requested Action: Removal of one Pine and two hardwood trees

Location: 192 Factor's Walk

Guideline Citation: UDO Section 13.9.1.G

Decisions/Justifications: The TPB may approve, deny, or approve with conditions the application for the removal of a Grand Tree. No approval shall be granted unless the following one or more of the following conditions are determined to exist:

- 1. The Grand Tree is diseased, dead or dying; or*
- 2. The Grand Tree poses a safety hazard to nearby buildings, utility lines or pedestrian or vehicular traffic; or*
- 3. The Grand Tree prevents essential grade changes or all reasonable utility installations; or*
- 4. The Grand Tree prevents all reasonable site configurations; or*
- 5. The removal of the Grand Tree is the only reasonable means by which building, zoning, subdivision, health, public safety or other Town requirements can be met; or*
- 6. Grand Tree is located on the construction site and up to ten feet around the perimeter of the construction site of an approved building and related driveway parking area when every measure has been explored to preserve existing trees has failed, including the reconfiguration of the building and or driving/parking areas around the tree; or*
- 7. The lot is of such density with existing trees that the removal of certain protected trees is considered beneficial; or*
- 8. The removal of the Grand Tree has otherwise been approved by the Town Council.*

Evaluation: The pine tree has wood pecker holes half way up. One of the hardwoods is dead and the other is leaning over the house.



Basic Tree Risk Assessment Form

page 1

Client Renee Bowers Date 5-22-20 Time 12:38
 Address/Tree location 192 Factors Walk Tree no. 1 Sheet 1 of 1
 Tree species Pine dbh 32" Height 60' Crown spread dia. 30'
 Assessor(s) Bill Salisbury Tools used _____ Time frame 1 year

Target Assessment

Target number	Target description	Target protection	Target zone			Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
			Target within drip line	Target within 1x Ht.	Target within 1.5x Ht.			
1	House	None		✓		4	N	
2	people in house	House		✓		4		
3	people in yard	None	✓			2		
4								

Site Factors

History of failures lower limbs are missing Topography Flat ☐ Slope ☒ 3 % Aspect _____
 Site changes None ☐ Grade change ☒ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe Tree sits up high
 Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☐ Pavement over roots ☐ % Describe lime
 Prevailing wind direction _____ Common weather Strong winds ☒ Ice ☐ Snow ☐ Heavy rain ☒ Describe thunder storms

Tree Health and Species Profile

Vigor Low ☐ Normal ☒ High ☒ Foliage None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic 10 % Necrotic 0 %
 Pests/Biotic wood pecker Abiotic _____
 Species failure profile Branches ☒ Trunk ☐ Roots ☐ Describe pine tree self pruned limbs

Load Factors

Wind exposure Protected ☒ Partial ☐ Full ☐ Wind funneling ☐ Relative crown size Small ☐ Medium ☒ Large ☐
 Crown density Sparse ☐ Normal ☒ Dense ☐ Interior branches Few ☐ Normal ☒ Dense ☐ Vines/Mistletoe/Moss ☐ None
 Recent or expected change in load factors None

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR _____ %
 Dead twigs/branches ☐ _____ % overall Max. dia. _____
 Broken/Hangers Number _____ Max. dia. _____
 Over-extended branches ☐
 Pruning history
 Crown cleaned ☐ Thinned ☐ Raised ☒
 Reduced ☐ Topped ☐ Lion-tailed ☐
 Flush cuts ☐ Other _____
it has a hole up high where Condition(s) of concern _____
branch had been cut

Part Size 4" Fall Distance 50'
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐
 Part Size _____ Fall Distance _____
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

Dead/Missing bark ☐ Abnormal bark texture/color ☐
 Codominant stems ☐ Included bark ☐ Cracks ☐
 Sapwood damage/decay ☐ Cankers/Galls/Burls ☐ Sap ooze ☐
 Lightning damage ☐ Heartwood decay ☐ Conks/Mushrooms ☐
 Cavity/Nest hole _____ % circ. Depth _____ Poor taper ☐
 Lean _____° Corrected? _____
 Response growth _____
 Condition(s) of concern _____
 Part Size _____ Fall Distance _____
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐
 Dead ☐ Decay ☐ Conks/Mushrooms ☐
 Ooze ☐ Cavity ☐ _____ % circ.
 Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____
 Root plate lifting ☐ Soil weakness ☐
 Response growth good
 Condition(s) of concern None
 Part Size _____ Fall Distance _____
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
 Likelihood of failure Improbable ☒ Possible ☐ Probable ☐ Imminent ☐

Risk Categorization

[illegible]

Matrix I. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact			
	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2. Risk rating matrix.

Likelihood of Failure & Impact	Consequences of Failure			
	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Notes, explanations, descriptions

I would keep an eye on the small hole where a limb has been cut off or have an arborist climb into the tree and get a closer look at the hole.

Mitigation options

- | | | |
|----|--|---------------|
| 1. | | Residual risk |
| 2. | | Residual risk |
| 3. | | Residual risk |
| 4. | | Residual risk |

Overall tree risk rating Low ☒ Moderate ☐ High ☐ Extreme ☐

Overall residual risk None ☐ Low ☒ Moderate ☐ High ☐ Extreme ☐ **Recommended inspection interval** 1 year

Data ☐ Final ☐ Preliminary Advanced assessment needed ☐ No ☒ Yes-Type/Reason check hole in upper part of tank

Inspection limitations ☒None ☐Visibility ☐Access ☐Vines ☐Root collar buried Describe

192 Factors Walk

